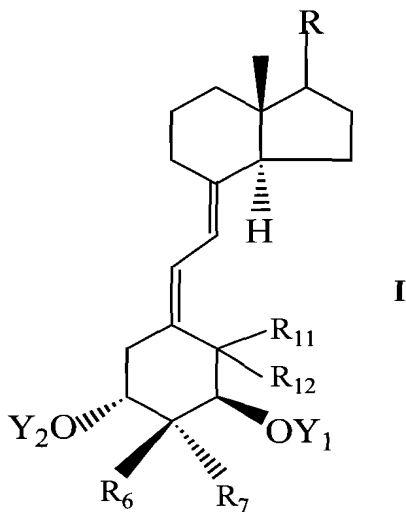


Amendments to the Claims

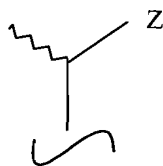
This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of ~~stimulating growth of new periodontal bone in a mammal, improving bone quality following a distraction osteogenesis procedure in a mammal,~~ comprising administering to the mammal a therapeutically effective amount of a compound having the formula:

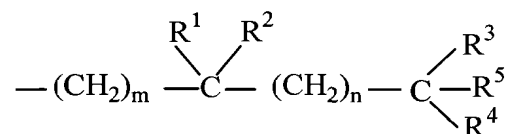


where Y_1 and Y_2 , which may be the same or different, are each selected from the group consisting of hydrogen and a hydroxy-protecting group, where R_{11} and R_{12} are each hydrogen or taken together are a methylene group, where R_6 and R_7 , which may be the same or different, are each selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, fluoroalkyl, hydroxy and alkoxy, with the proviso that R_6 and R_7 cannot both be hydrogen, or R_6 and R_7 when taken together may represent the group $-(CH_2)_x-$ where X is an integer from 2 to 5, or R_6 and R_7 when taken together may represent the group $=CR_8R_9$ where R_8 and R_9 , which may be the same or different, are each selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, fluoroalkyl, hydroxy and alkoxy, or when taken together R_8 and R_9 may represent the group $-(CH_2)_x-$ where X is an integer from 2 to 5, and where the group R represents



where the stereochemical center (corresponding to C-20 in steroid numbering) may have the R or S configuration, (i.e. either the natural configuration about carbon 20 or the 20-epi configuration), and where Z is selected from Y, -OY, -CH₂OY,

-C≡CY and -CH=CHY, where the double bond may have the cis or trans geometry, and where Y is selected from hydrogen, methyl, -COR⁵ and a radical of the structure:

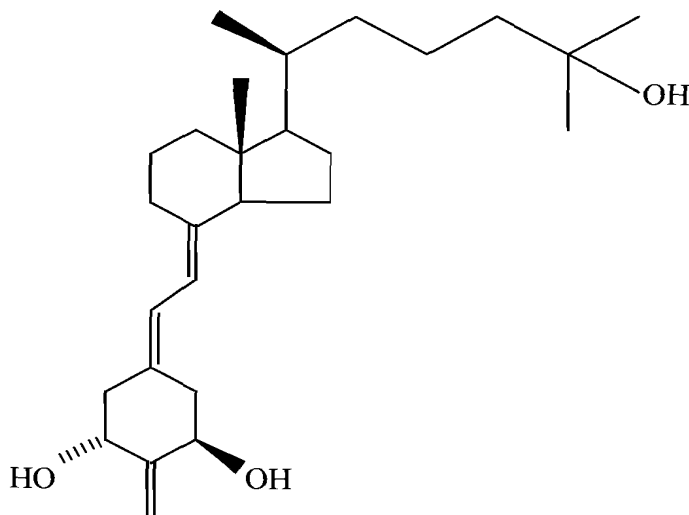


where m and n, independently, represent the integers from 0 to 5, where R¹ is selected from hydrogen, deuterium, hydroxy, protected hydroxy, fluoro, trifluoromethyl, and C₁₋₅-alkyl, which may be straight chain or branched and, optionally, bear a hydroxy or protected-hydroxy substituent, and where each of R², R³, and R⁴, independently, is selected from deuterium, deuterioalkyl, hydrogen, fluoro, trifluoromethyl and C₁₋₅ alkyl, which may be straight-chain or branched, and optionally, bear a hydroxy or protected-hydroxy substituent, and where R¹ and R², taken together, represent an oxo group, or an alkylidene group, =CR²R³, or the group -(CH₂)_p-, where p is an integer from 2 to 5, and where R³ and R⁴, taken together, represent an oxo group, or the group -(CH₂)_q-, where q is an integer from 2 to 5, and where R⁵ represents hydrogen, hydroxy, protected hydroxy, or C₁₋₅ alkyl and wherein any of the CH-groups at positions 20, 22, or 23 in the side chain may be replaced by a nitrogen atom, or where any of the groups -CH(CH₃)-, -(CH₂)_m-, -CR₁R₂- or -(CH₂)_n- at positions 20, 22, and 23, respectively, may be replaced by an oxygen or sulfur atom.

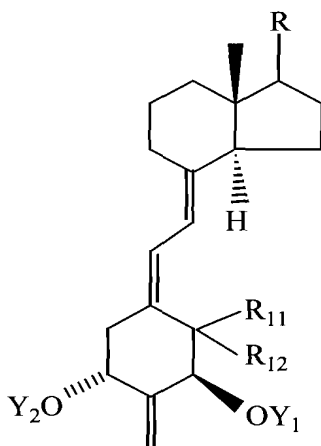
Claims 2-7 (Cancelled)

8. (Original) The method of claim 1 wherein the compound is administered in a dosage of from 0.01μg to 50μg per day.

9. (Original) The method of claim 1 wherein the mammal is a human.
10. (Original) The method of claim 1 wherein the compound administered is 2-methylene-19-nor-20(S)-1 α ,25-dihydroxyvitamin D₃ having the formula:



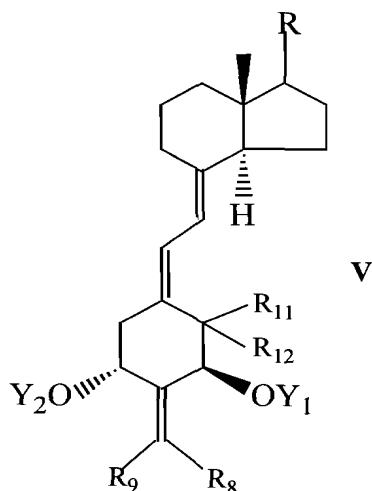
11. (Original) The method of claim 1 wherein the compound administered is an acylated derivative having the formula:



where Y¹ and Y² independently represent hydrogen or an acyl group, and with the proviso that R⁵ is -OY₃ and Y₃ is selected from the group consisting of acyl or a hydrocarbyloxycarbonyl.

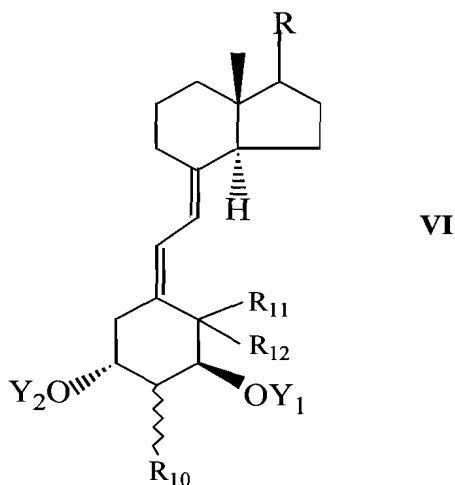
Claims 12-19 (Cancelled)

20. (Original) The method of claim 1 wherein the compound administered is selected from the group consisting of:



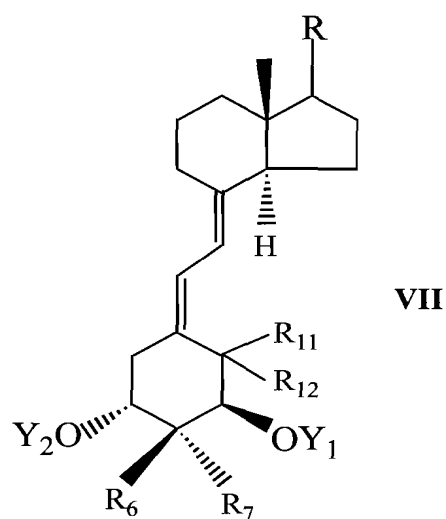
where Y_1 , Y_2 , R_{11} , R_{12} and R are as defined in claim 1 and R_8 and R_9 , which may be the same or different, are each selected from the group consisting of hydrogen, alkyl, hydroxyalkyl and fluoroalkyl, or, when taken together represent the group $-(CH_2)_X-$ where X is an integer from 2 to 5.

21. (Original) The method of claim 1 wherein the compound administered is selected from the group consisting of:



where Y_1 , Y_2 , R_{11} and R_{12} and R are as defined in claim 1 and R_{10} is selected from the group consisting of alkyl, hydroxyalkyl and fluoroalkyl.

22. (Original) The method of claim 1 wherein the compound administered is selected from the group consisting of:



where Y₁, Y₂, R₁₁, R₁₂, R₆, R₇ and R are as defined in claim 1 with the proviso that R⁵ is -OY₃ and Y₃ is selected from the group consisting of an acyl or a hydrocarbyloxycarbonyl.

Claims 23-45 (Cancelled)